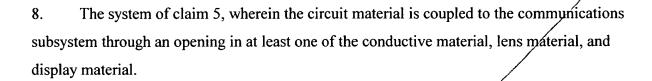
Claims

What is claimed is:

Jee A1

- 1. A portable communications and display system, comprising:
 - a chip antenna to transmit and receive RF signals;
 - a lens material for mounting the chip antenna;
 - a conductive material for providing a chip antenna ground plane, wherein the conductive material provides an operative coupling between the lens material and the chip antenna; and
 - a communications subsystem that is associated with the lens material and is operatively coupled to the chip antenna for processing the RF signals.
- 2. The system of claim 1, further comprising circuit material for coupling the chip antenna to the communications subsystem.
- 3. The system of claim 2, wherein the circuit material is at least one of a printed circuit board and a flexible circuit material.
- 4. The system of claim 2, wherein the circuit material is adhesively coupled to the lens material.
- 5. The system of claim 3, wherein the circuit material is coupled to a display.
- The system of claim 2, wherein connectors are utilized to couple the circuit material to the communications subsystem.
- 7. The system of claim 3, wherein the flexible circuit material is utilized to couple the chip antenna to the communications subsystem.





- 9. The system of claim 5, wherein the circuit material is coupled to the communications subsystem by passing over at least one of the conductive material, lens material, and display material.
- 10. The system of claim 1, wherein the conductive material is at least one of a coating, treatment, film and screen mesh.
- 11. The system of claim 1, wherein the communications subsystem includes at least one of an RF transmitter and receiver.
- 12. The system of claim11, wherein the communications subsystem is at least one of a cell-phone, pager, Personal Digital Assistant (PDA), scanner, hand-held computer, and portable computer.
- 13. The system of claim 1, wherein the lens material is at least one of glass, Plexiglas, and plastic.
- 14. The system of claim 1, further comprising a bezel to provide protection for the chip antenna.

chip antenna;

15. A method providing portable communications and display, comprising:
utilizing a chip antenna for transmitting and receiving RF signals;
applying a conductive material to a lens material to provide a ground plane for the

mounting the chip antenna to the conductive material and lens material; and coupling the chip antenna to a communications subsystem that is associated with the lens material for processing the RF signals.

- 16. The method of claim 15, further comprising utilizing circuit material for coupling the chip antenna to the communications subsystem.
- 17. The method of claim 16, wherein the circuit material is at least one of a printed circuit board and a flexible circuit material.
- 18. The method of claim 16, wherein the circuit material is adhesively coupled to the lens material.
- 19. The method of claim 16, further comprising, coupling the lens material to a display.
- 20. The method of claim 16, wherein connectors are utilized to couple the circuit material to the communications subsystem.
- 21. The method of claim 17, wherein the flexible circuit material is utilized to couple the chip antenna to the communications subsystem.
- 22. The method of claim 15, wherein the conductive material is at least one of a coating, treatment, film and screen mesh.



- 23. The method of claim 15, wherein the communications subsystem includes at least one of an RF transmitter and receiver.
- 24. A system providing portable communications and display, comprising: a chip antenna for transmitting and receiving RF signals; means for coating a lens material to provide a ground plane for the chip antenna; means for mounting the chip antenna to the lens material; and means for coupling the chip antenna to a communications subsystem that is associated with the lens material for processing the RF signals.
- 25. A portable communications system, comprising: a chip antenna to at least one of transmit and receive an RF signal; a transceiver operatively coupled to the chip antenna to process the RF signal; and a lens material having a coating that provides a chip antenna ground plane to enable the RF signal processing.
- 26. The system of claim 25, wherein the coating is at least one of a transparent and a transfucent material.

